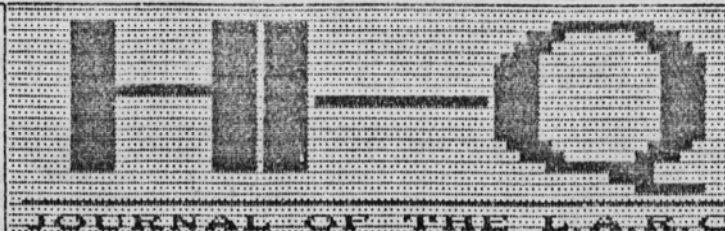


EDITED BY E.R.  
BAUMANN VE3SNW  
FEBRUARY 1989  
WRONG ADDRESS?  
SUBSCRIPTION  
PROBLEMS?  
CALL (807) 622-1216



NEXT MEETING IS THURSDAY  
FEBRUARY 09, 1989  
EMO BUILDING CORNER OF  
VICTORIA AND WATERLOO  
CLUB REPEATERS  
VE3YQT - 147.87 (-600)  
VE3TBR - 146.82 (-600)

## PREZ SAYS .....James St.Cyr VE3JSC

## JEEP 500 ... SKIP VE3BBS

Again the members of the L.A.R.C. have done an excellent job in providing communications for the JEEP 500 race. I commend all the operators, students, and helpers that made it a great success. I would like to thank Skip VE3BBS for doing a super job at organizing and the other individuals who contributed as well. I had a feeling that HF was going to be a crucial part of the communications and it turned out 40 meters SSB saved the day. It takes some getting used to talking to Net Control when you are driving downhill five miles from the border when you can just barely hear YQT or any of the commercial services on VHF. Skip has put together an article in detail covering the race. At the February club meeting we will have a debriefing on the race and look at ways to improve it.

What else is new? One item is the EMO building, we are still occupying it and will be until spring by the looks of things. We should have more word by the February meeting. Another item is our request for funding for the new repeater, duplexers, and antenna for YQT. The paperwork is in and a commitment in our favour is still looking good. Next item is the code and theory classes which are moving right along. Thanks goes out to Bill VE3LMV for teaching both the basic electrical theory and electronics, a rather substantial portion of the course. We now have John VE3HTM teaching transmitters and receivers and Mike VE3ZG teaching regulations. Frank VE3OTZ and Norm VE3XRC have been teaching code. Thanks to everyone, and I hope I did not leave anyone out.

Looking ahead, the club will be touring the Airport Control Tower, Flight Service Station and Weather office at a future meeting. Tours of the Ministry of Health Dispatch and the Air Ambulance Hanger are also in the works. That's about it for now and thanks goes out to our Editor for HI-Q, Ed VE3SNW. 73's and CUL, James.

The third annual JEEP 500 snowmobile race took place over the weekend on January 28-30 and the L.A.R.C. once again handled communications between Thunder Bay and Grand Portage.

A total 21 operators, 4 students, and friends assisted in the exercise. It again proved successful and all the personnel connected with the race were more than pleased with our performance.

VHF communications were not up to "snuff" on the day of the race and even running high power with beams, YQT from south of the border was not workable. Fortunately, it was decided to use 40 meters mobile, and it was the saving grace. VE3XJ with ECV worked out of Grand Portage, ILV, JSC, and JAU were also mobile HF and it worked out beyond expectations. I would like to thank VE3JQ for helping with the HF from his home station, without his assistance it would have been hard to report all the numbers of the racers.

It never ceases to amaze me, when required, the dedication and the willingness to give of time, vehicles, equipment, and gas to provide the necessary communications, not only for this event but for the many others that the club does throughout the year.

Net control ran from the 'Alpine' this year and at the time there was no commitment to run it from there again. I would imagine the race co-ordinators would like to start from downtown, but that will be a decision faced next year by the race committee.

Again I would like to thank all the operators, students and friends who did participate in this years event and made it the success it was.

The night of 16th of February, the Ramada Inn and Molson's will be sponsoring a volunteer night and I have tickets that can be picked up the night of the general meeting. If you can't make the meeting, I will ensure you get your ticket to attend. It is scheduled to take place in the Provincial Room of the Ramada Inn starting at 1930 hours.

The next upcoming event is the Sibley Ski Tour and while it takes place early in March, I hope to have the date set by the next meeting. Anyone willing to work that event should get in touch with me so we can get down to some planning. Again, thanks guys (and girl) for the SUPER JOB! 73's de Skip VE3BBS

## UPCOMING EVENTS — FEBRUARY 1989

Place a circle around SATURDAY FEBRUARY 11TH. It's the date for the next IBARS ski outing to W0 land! We plan on departing Thunder Bay after meeting at Perkins on Arthur Street at 7:00 a.m. for a ski breakfast. Then it's on to LUTSEM, returning to Thunder Bay about 9:00 p.m.

Cost? \$20. for the lift ticket (Canadian Cash at Par) plus lunch (or bring your own). We usually stop for supper at the Cascades Restaurant for supper on the trek home.

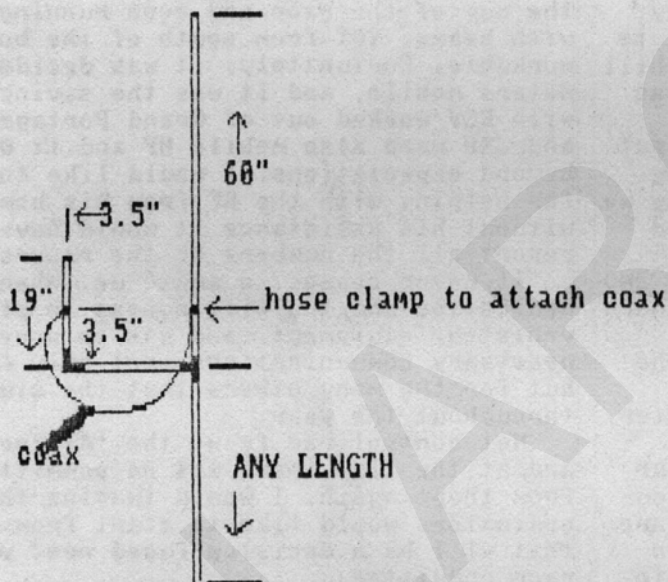
If you are interested in Blue Cross insurance for the day trip or want more information contact Dave VE3AVS/SWC before 6:00 p.m. February 9/89.

Cross country skiers also welcomed! Monitor 146.52 on the slopes!!

Just a reminder to let me know S.A.P. if you are going to the\*\*\*ANNUAL DINNER\*\*\*FEBRUARY 25\*\*\* at the PORT ARTHUR BRASSIERRE AND BREWPUB, corner of Red River Road and Junot. Dinner starts a 6:00 p.m., your choice from their excellent menu. Music and dancing will be available afterwards. There is no admission charge but please let me, Glen VE3JAU or Pat VE3PHU so we know how many seats to reserve

NEXT MONTH -- a repeater directory of Southern Ontario by Jon VE3SAJ!!

## THE J-POLE REVISITED .... GLEN VE3JAU



Since this is an effective and easy to build antenna I thought I would put it in HI-Q for those who needed the plans.

## PARTS:

- 8' of 0.5" copper pipe
- 1 't' connector for 0.5" pipe
- 1 90 degree elbow for 0.5" pipe
- 2 end caps for 0.5" pipe
- 2 hose clamps (to attach to coax)
- coax - suitable length
- BNC or PL-259 connectors to match your radio
- Tools for cutting and soldering pipe

It's not critical which side of the J-Pole is hot but I prefer the longer side. The centre conductor of the coax goes to one side and the shield to the other at the 3.5" mark.

This J-Pole should tune at around 1:4 to 1 VSWR and work quite well. I have worked Gwen VE3TRE from Nalulu to Thunder Bay on simplex with the mobile - a distance of 25 miles with solid copy. She was using the J-Pole and a FT-208R barefoot with 2 watts.

If have problems understanding the measurements or it doesn't tune, feel free to contact me. 73's de Glen VE3JAU 767-4612 or on TBR

## FIELD DAY SAFETY GUIDELINES ..... GLEN VE3JAU

Due to the near tragedy that had happened to Peter VE3MOE and myself, I thought that it may be an excellent idea to lay down some strict guidelines as to antenna structures used during the L.A.R.C. field day operations in the future. The accident that happened was serious enough but it could have been far worse. The hobby of Amateur Radio can be rather safe, provided a little common sense is used ... I have learned the hard way.

What I propose to do is establish some guidelines long before the next field day so they can be reviewed by the club and revised. If acceptable, then I hope they will be in place in practice in order to prevent any accidents in the future.

If you have any input in this regard, (how about a safety officer for the site? ... ED) please contact me so I can include it in my proposals. 73's de Glen VE3JAU

## HI THERE !

Hope you like the new look of your HI-Q, and should get even better once I get the hang of it. Sorry for the typo's or omissions. Practice makes Perfect. Submissions wanted ... grab your pencil and get going, contact me for more info .... 73's Ed VE3SNW



## HIGHLIGHTS FROM THE JANUARY MEETING

## OLD BUSINESS

- 1) The Jeep 500 starts at Riverview Raceways
- 2) L.A.R.C. letterhead logo design (any graphic artists out there?)
- 3) Update on the EMO building, we are still occupying it.
- 4) Grandview lodge may be future site for the club
- 5) Ed VE3SNW is the editor of HI Q
- 6) Lindo reported on various costs of producing the HI-Q
- 7) Annual dinner February 25th - see notice in this issue
- 8) Letter of thanks from Frazer Dougall, and a Christmas card too!
- 9) Things are still noisy on THE HILL. Perhaps a new antenna for 440 in the spring
- 10) FIBERTEL will let us on the ledge of Mt. McKay, autopatch, phonelines available
- 11) YQT autopatch not working as expected, new one to be installed
- 12) Proposal from Gabe, Skip, and James re: new equipment for YQT presented to the Mayor. VERY positive response.
- 13) We may experience problems when the strobe lights go on the tower on baldy
- 14) VE3FW is still committed to the NET (XJ,BBS,AXL,JSC handling)

## NEW BUSINESS

- 1) ST. PAULS UNITED CHURCH given a demo by Frank and Norm
- 2) Honorarium be given to VE3HRA for equipment ... carried
- 3) Glen finished with receiver and will get together with John (HTM)
- 4) Skip (BBS) will start a SWAP 'N SHOP on YQT after the net on Wednesday starting Wed. 18th

## MONEY MATTERS ..... Gabe VE3ILX LARC Treasurer

Receipts	1st Quarter	2nd Quarter	YTD
Memberships	315.00	1,205.00	1,520.00
Interest	17.01	28.25	45.26
Donations	595.00	61.87	656.87
Other	1170.53	80.00	1,250.53
TOTAL	2097.54	1,375.12	3,472.66
Expenses			
Admin	665.00	100.00	774.76
HI-Q	64.00	189.22	253.30
Phone	140.00	151.69	292.54
YQT	128.06	94.39	222.45
FW		45.00	45.00
Special	695.00	50.00	745.00
Events	126.62		126.62
TOTAL	1820.53	639.14	2459.67
Current Balance	2508.45	3244.43	3244.43

Contact Gabe VE3ILX if you require details.

## VISITORS!!!

On Saturday, January 7th, 44 people from St. Pauls United Church attended a Ham Radio information seminar at VE3FW. Frank (OTZ) and Norm (XRC) put on a show that was very well received by the group. Subsequent to the visit, the club received a donation of fifty dollars.

## THE OLDE DICTIONARY

PILL ... slang expression for transistor or IC

CASCADE .... one circuit or device that directly follows another two or more similar devices in which the output of one is fed into the input of the succeeding one (tandem)

COLD END ... the circuit end of a component that is connected to ground or is bypassed for AC or RF voltage e.g. the grounded end of a coil or capacitor

DYNAMIC RANGE .... difference in decibels (one tenth of a bel) between the overload and minimum discernable signal level (MDS) in a system such as a receiver. Parameters include Desensitization point and Distortion products as referenced to the receiver noise floor.

ENCODER ... a circuit or device which changes discrete inputs into coded combinations. A DTMF (touch tone) pad is an encoder.

73's de JOHN VE3PHL

147.07 MHZ OFFSET -600 VE3YQT FUNCTION SHEET 622-6501

## PHONE PATCH

INITIATE A CALL ENTER [ \* 1 ] WAIT FOR DIAL TONE THEN DIAL NUMBER THE PATCH WILL REGENERATE YOUR TONES THEN YOU WILL HEAR THE RINGBACK

TERMINATE A CALL ENTER [ # ] REPEATER WILL RESPOND E-N-D IN CW DIAL IN 623-6501 SOUNDS LIKE TELEPHONE RING ON TRANCIEVER TO ANSWER ENTER [ \* 1 ] IF NOT SUCCESSFUL .. REPEAT

NOTE: DIAL IN WILL ONLY RING IF THE REPEATER IS IDLE AND WILL NOT RING IF THERE IS A CONVERSATION IN PROGRESS

NOTE: IF YOUR TONES CANNOT BE DECODED OR IF YOU ATTEMPT A LONG DISTANCE CALL, THE PATCH RESPONDS WITH 7 BEEPS AND WILL TERMINATE THE CALL.

SEE YOU AT THE DINNER  
FEBRUARY 25TH

Voice ID - System access

911 - Emergency (Direct access)

Dial In.....767-7661

<\*>Release PTT - To answer phone or access autopatch direct dial.

<#> - Terminate all functions (END)

FUNCTIONS	EMERGENCY SPEED DIAL	PERSONAL SPEED DIAL
*1 - Autopatch (AP)	*100 - (OPP) T. Bay Detachment	*1xx (Home No.)
*2 - Test pad (R)	*200 - (KB OPP) Kekabeka Detachment	*2xx .....
*3 - n/a	*300 - (MKG) McKellar General	*3xx .....
*4 - n/a	*400 - (PAG) Pt. Arthur General	*4xx .....
*5 - n/a	*500 - (SJG) St. Joseph's Hosp.	*5xx .....
*6 - n/a	*600 - (EMO) Emergency Measures	*6xx .....
*7 - n/a	*700 - (RED X) Red Cross	*7xx .....
*8 - Time announce (EST)		*8xx .....
*9 - Redial (RD)	911 - Police, Fire, Ambulance	*9xx .....
		*0xx .....

#### L.A.R.C. Members Personal Codes (xx)

AHD 32	EBL 34	HQL 95	JAJ 55	LMI 17	OTC 73	SNW 22
AVS 76	ECV 24	HTM 44	JAU 49	LML 36	OTW 83	WCT 29
AYZ 13	EDZ 61	HZW 57	JQ 25	LMV 48	OTZ 78	XJ 15
BBS 23	EPC 50	ICY 35	JSC 75	NHX 14	PHK 84	ZG 19
BCD 28	EPZ 33	ILV 90	KCW 94	NPS 41	PHT 54	
DJM 51	HPS 16	ILX 81	KRH 41	OPI 47	PHU 67	
DPJ 86	HMU 80	IY 64	KVJ 77	OPL 30	SAJ 66	

There are two ways to make calls with the autopatch. The first is to simply press <\*> and release your PTT. You should now hear a dial tone. Then enter the phone number you wish to call and listen for the results as though you were on a regular phone.

The second and most reliable method is to press <\*>1 and release your PTT. You will hear (AP) in CW. Now enter the number you wish to call. When you release your PTT you should hear (CD) in CW. Then you will hear the dial tone and the computer dialing the number you entered. Proceed as usual.

In either case pressing <\*>9 will redial the last number entered.

#### YQT PHONE PATCH

THE FUNCTIONS ON THE PHONE PATCH ARE AS FOLLOWS:

\*1 To place a call enter \* 1 and the dial tone will be heard. Dial your phone number and wait for the patch to regenerate the tones and dial for you. The next thing you hear will be the phone ringing.

# To terminate a phone call enter # and the repeater will respond with END in CW.

Dial In Phone Number is 623-6501.

To answer enter \* 1. It sounds similar to a telephone ring and only rings when the repeater is not active. What this means is that the dial in will ring when the repeater is sitting idle but will not interrupt a conversation on the air. If you hear the dial in ringing and are not successful at answering the first time do not hesitate to enter \* 1 again. This will put you on the phone line and if the caller is there you will hear them.

Operating note: If your signal into the repeater is not patch quality or if you enter a long distance digit at the beginning the phone patch will respond with seven beeps and will terminate the call. Please note the difference between the codes for YQT verses TBR. TBR requires just \* to answer where YQT requires \* 1.